KENWOOD

CD-RECEIVER

KDC-X7006U
KDC-X7006

INSTRUCTION MANUAL

Kenwood Corporation

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⚠WARNING

To prevent injury or fire, take the following precautions:

- To prevent a short circuit, never put or leave any metallic objects (such as coins or metal tools) inside the unit.
- Do not watch or fix your eyes on the unit's display when you are driving for any extended period.
- Mounting and wiring this product requires skills and experience. For safety's sake, leave the mounting and wiring work to professionals.

⚠CAUTION

To prevent damage to the machine, take the following precautions:

- Make sure to ground the unit to a negative 12V DC power supply.
- Do not install the unit in a spot exposed to direct sunlight or excessive heat or humidity. Also avoid places with too much dust or the possibility of water splashing.
- Do not place the faceplate (and the faceplate case) in areas exposed to direct sunlight, excessive heat or humidity. Also avoid places with too much dust or the possibility of water splashing.
- To prevent deterioration, do not touch the terminals of the unit or faceplate with your fingers.
- Do not subject the faceplate to excessive shock, as it is a piece of precision equipment.
- When replacing a fuse, only use a new fuse with the prescribed rating. Using a fuse with the wrong rating may cause your unit to malfunction.
- Do not apply excessive force to the open faceplate or place objects on it. Doing so will cause damage or breakdown.
- Use only the screws provided or specified for installation. If you use wrong screws, you could damage the unit.

Attach the panel while you are on the vehicle

The panel lock arm appears when the panel is removed. Therefore, the panel must be attached while the electrical system of the car is operating.

Do Not Load 8 cm (3 in.) CDs in the CD slot

If you try to load a 8 cm (3 in.) CD with its adapter into the unit, the adapter might separate from the CD and damage the unit.

About CD players/disc changers connected to this unit

Kenwood disc changers/ CD players released in 1998 or later can be connected to this unit.
Refer to the catalog or consult your Kenwood dealer for connectable models of disc changers/ CD players.
Note that any Kenwood disc changers/ CD players released in 1997 or earlier and disc changers made by other makers cannot be connected to this unit.
Connecting unsupported disc changers/CD players to this unit may result in damage.
Set the "O-N" Switch to the "N" position for the applicable Kenwood disc changers/ CD players.
The functions you can use and the information that can be displayed may differ depending on the models being connected.

⚠

- You can damage both your unit and the CD changer if you connect them incorrectly.

Lens Fogging

When you turn on the car heater in cold weather, dew or condensation may form on the lens in the CD player of the unit. Called lens fogging, this condensation on the lens may not allow CDs to play. In such a situation, remove the disc and wait for the condensation to evaporate. If the unit still does not operate normally after a while, consult your Kenwood dealer.

The marking of products using lasers (Except for some areas)

CLASS 1
LASER PRODUCT

The label is attached to the chassis/case and says that the component uses laser beams that have been classified as Class 1. This means that the unit is utilizing laser beams that are of a weaker class. There is no danger of hazardous radiation outside the unit.

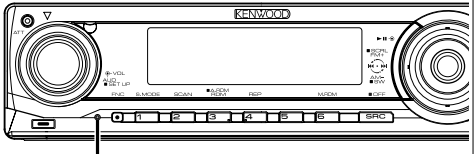
iPod is a trademark of Apple Computer, Inc., registered in the U.S. and other countries.

The "AAC" logo is trademark of Dolby Laboratories.

- If you experience problems during installation, consult your Kenwood dealer.
- When you purchase optional accessories, check with your Kenwood dealer to make sure that they work with your model and in your area.
- The characters conforming to ISO 8859-1 character set can be displayed.
- There are places in this manual where lit indicators are described; however, the only time an indicator will light is in the following settings.
  When Status Display is set to On as mentioned in <Status Setting> (page 11).
- When operating an external device connecting to this unit, make sure to close the faceplate.
- The illustrations of the display and the panel appearing in this manual are examples used to explain more clearly how the controls are used. Therefore, what appears on the display in the illustrations may differ from what appears on the display on the actual equipment, and some of the illustrations on the display may be inapplicable.

How to reset your unit

- If the unit fails to operate properly, press the Reset button. The unit returns to factory settings when the Reset button is pressed.
- Remove the USB device before pressing the Reset button. Pressing the Reset button with the USB device installed can damage the data contained in the USB device. For how to remove the USB device, refer to <Playing USB (iPod) device> (page 20).
- Press the reset button if the disc auto changer fails to operate correctly. Normal operation should be restored.



Reset button

Cleaning the Unit

If the faceplate of this unit is stained, wipe it with a dry soft cloth such as a silicon cloth.
If the faceplate is stained badly, wipe the stain off with a cloth moistened with neutral cleaner, then wipe it again with a clean soft dry cloth.

⚠

- Applying spray cleaner directly to the unit may affect its mechanical parts. Wiping the faceplate with a hard cloth or using a volatile liquid such as thinner or alcohol may scratch the surface or erases characters.

Cleaning the Faceplate Terminals

If the terminals on the unit or faceplate get dirty, wipe them with a dry, soft cloth.

About KENWOOD "Music Editor" of PC application attached to KDC-X7006U

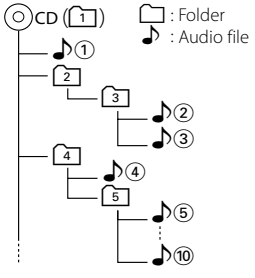
- "Music Editor" is recorded in the CD-ROM attached to this unit.
- Refer to the attached installation manual for the installation method of "Music Editor".
- Refer to the user's manual recorded in the installation CD-ROM and Help of "Music Editor" for the operation method of "Music Editor".
- The unit can play CD/ USB device created by "Music Editor".
- Information about "Music Editor" upgrade is put on the site, **www.kenwood.com**.

About Audio file

- **Playable Audio file**
  AAC-LC (.m4a), MP3 (.mp3), WMA (.wma), WAV (.wav) (KDC-X7006U only)
- **Playable disc media**
  CD-R/RW/ROM
- **Playable disc file format**
  ISO 9660 Level 1/2, Joliet, Romeo, Long file name.
- **Playable USB device (KDC-X7006U only)**
  USB mass storage class, iPod with KCA-iP200
- **Playable USB device file system (KDC-X7006U only)**
  FAT16, FAT32

Although the audio files are complied with the standards listed above, the play maybe impossible depending on the types or conditions of media or device.

- **Playing order of the Audio file**
  In the example of folder/file tree shown below, the files are played in the order from ① to ⑩.



An online manual about audio files is put on the site, **www.kenwood.com/audiofile/**. On this online manual, detailed information and notes which are not written in this manual are provided. Make sure to read through the online manual as well.

- In this manual, the word "USB device" is used for flash memories and digital audio players which have USB terminals.
- The word "iPod" appearing in this manual indicates the iPod connected with the KCA-iP200 (optional accessory). The iPod connected with the KCA-iP200 can be controlled from this unit. iPods that can be connected with the KCA-iP200 are the iPod nano and the iPod with video. When an iPod is connected using a commercially available USB cable, it is handled as a mass-storage-class device.
- For the supported formats and types of USB device, refer to **www.kenwood.com/usb/**.

About USB device

- Install the USB device in the place where it will not prevent you from driving your vehicle properly.
- You cannot connect a USB device via a USB hub.
- Take backups of the audio files used with this unit. The files can be erased depending on the operating conditions of the USB device.
  We shall have no compensation for any damage arising out of erasure of the stored data.
- No USB device comes with this unit. You need to purchase a commercially available USB device.
- For how to play the audio files recorded in a USB device, see <CD/USB device/Audio file/External disc control features> (page 19).
- When connecting the USB device, usage of the CA-U1EX (option) is recommended.
  Normal playback is not guaranteed when a cable other than the USB compatible cable is used.
  Connecting a cable whose total length is longer than 5 m can result in abnormal playback.

About Bluetooth Hands free control

Refer to the instruction manual of the Bluetooth Hands Free Box KCA-BT100 (optional accessory).

About Menu operation

For how to operate Menu, refer to <Menu System> in this instruction manual. For the items to be set up, refer to the instruction of Hands Free Box.

About display of Cell-Phone Status

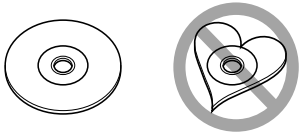
Cell-Phone Status is displayed in the status display of this unit. For the information about the displayed icons, refer to the instruction manual of Hands Free Box.

Handling CDs

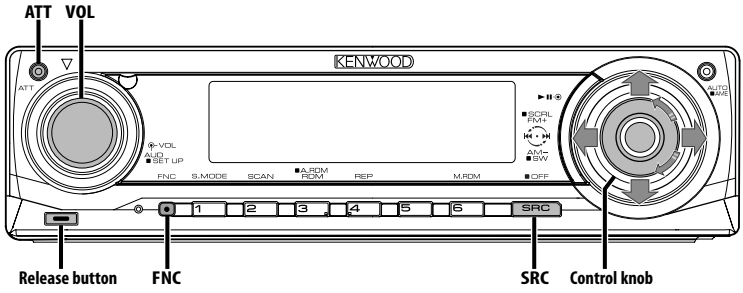
- Do not touch the recording surface of the CD.
- Do not stick tape etc. on the CD, or use a CD with tape stuck on it.
- Do not use disc type accessories.
- Clean from the center of the disc and move outward.
- When removing CDs from this unit, pull them out horizontally.
- If the CD center hole or outside rim has burrs, use the CD only after removing the burrs with a ballpoint pen etc.

CDs that cannot be used

- CDs that are not round cannot be used.



- CDs with coloring on the recording surface or CDs that are dirty cannot be used.
- This unit can only play the CDs with .
  This unit may not correctly play discs which do not have the mark.
- You cannot play a CD-R or CD-RW that has not been finalized. (For the finalization process refer to your CD-R/CD-RW writing software, and your CD-R/CD-RW recorder instruction manual.)



Power

Turning ON the Power

Press the [SRC] button.

- When the power is ON, the <Security Code> (page 25) is displayed as "CODE ON" or "CODE OFF".

Turning OFF the Power

Press the [SRC] button for at least 1 second.

Selecting the Source

There are two types of source selection methods depending on the setting.

SRC Select mode 1:

1 Press the [SRC] button.

2 Turn the Control knob or push it towards left or right.

3 Press the Control knob.

SRC Select mode 2:

Press the [SRC] button.

Source required	Display
Tuner	"TUNER"
USB device (iPod)*	"USB" ("iPod")
CD	"Compact Disc"
TV (Optional accessory)	"TV"
External disc (Optional accessory)	"CD Changer"
Auxiliary input	"AUX"
Auxiliary input (Optional accessory)	"AUX EXT"
Standby (Illumination only mode)	"STANDBY"

- * Function of KDC-X7006U.
- When connection of the iPod is recognized, the source display changes from "USB" to "iPod".
- Switch between SRC Select mode 1 and 2 in <Source Select Mode> (page 25).
- USB (iPod) source is recognized as CD source on the connected unit.

Volume

Increasing Volume

Turn the [VOL] knob clockwise.

Decreasing Volume

Turn the [VOL] knob counterclockwise.

Attenuator

Turning the volume down quickly.

Press the [ATT] button.

Each time you press the button, the Attenuator turns ON and OFF.

When the Attenuator is ON, the "ATT" indicator blinks.

Audio Control

1 Select the source to adjust
Press the [SRC] button.
Refer to <Selecting the Source> (page 6).

2 Enter Audio Control mode
Press the [VOL] knob.

3 Select the Basic Audio item to adjust
Press the [VOL] knob.
Each time you press the knob, the item to be adjusted alternates between the items shown in the table below.

4 Adjust the Basic Audio item
Turn the [VOL] knob.

Adjustment Item	Display	Range
Rear Volume	"REAR VOLUME"	0 — 35
Subwoofer level	"SUB-W LEVEL"	–15 — +15
System Q	"USER"/"ROCK"/ "POPS"/"EASY"/ "TOP40"/"JAZZ"/ "NATURAL"	User/Rock/ Pops/Easy/ Top 40/Jazz/ Natural
Bass level*	"BASS LEVEL"	–8 — +8
Middle level*	"MIDDLE LEVEL"	–8 — +8
Treble level*	"TREBLE LEVEL"	–8 — +8
Balance	"BALANCE"	Left 15 — Right 15
Fader	"FADER"	Rear 15 — Front 15
Exit Audio Control mode (Volume control mode)		

* You can adjust these items in detail. Refer to <Adjusting the detail of Audio Control>(Page8).
* Source tone memory: Puts the set up value in the memory per source. (Detail Audio item is included)

About System Q

- You can recall the best sound setting preset for different types of music.
- Change each setting value with the <Speaker Setting> (page 9). First, select the speaker type with the Speaker setting.
- "USER": The ranges selected lastly for Bass level, Middle level, and Treble level are recalled automatically.

5 Exit Audio Control mode
Press any button.
Press a button other than the [VOL] knob and [ATT] button.

Adjusting the detail of Audio Control

Among the Basic Audio items, you can adjust the Bass level, Middle level, and Treble level in detail.

1 Select the Basic Audio item
Select the desired item to be set in detail from followings;
- Bass level
- Middle level
- Treble level

For how to select Basic Audio items, see <Audio Control> (page 7).

2 Enter Detail adjustment mode of Audio Control
Press the [VOL] knob for at least 1 second.

3 Select the Detail Audio item to adjust
Press the [VOL] knob.
Each time you press the knob, the item to be adjusted alternates between the items shown in the table below.

4 Adjust the Detail Audio item
Turn the [VOL] knob.

Bass level

Adjustment Item	Display	Range
Bass Center Frequency	"BASS FRQ"	40/50/60/70/80/100/120/150 Hz
Bass Q Factor	"BASS Q FACTOR"	1.00/1.25/1.50/2.00
Bass Extend	"BASS EXT"	OFF/ON

Middle level

Adjustment Item	Display	Range
Middle Center Frequency	"MIDDLE FRQ"	0.5/1.0/1.5/2.0 kHz
Middle Q Factor	"MIDDLE Q FACTOR"	1.00/2.00

Treble level

Adjustment Item	Display	Range
Treble Center Frequency	"TREBLE FRQ"	10.0/12.5/15.0/17.5 kHz

5 Exit the Detail Audio Control mode
Press the [VOL] knob for at least 1 second.

- When you set the Bass Extend to ON, low frequency response is extended by 20%.
- You can exit the Audio Control mode at anytime by pressing any button except for [VOL] konb and [ATT] button.

Audio Setup

Setting the Sound system, such as Cross over Network.

1 Select the source to adjust
Press the [SRC] button.
Refer to <Selecting the Source> (page 6).

2 Enter Audio Setup mode
Press the [VOL] knob for at least 1 second.

3 Select the Audio Setup item to adjust
Press the [VOL] knob.
Each time you press the knob, the item to be adjusted alternates between the items shown in the table below.

4 Setup the Audio item
Turn the [VOL] knob.

Adjustment Item	Display	Range
Front High Pass Filter	"HPF-F Fc"	Through/40/60/80/100/120/150/180/220 Hz
Rear High Pass Filter	"HPF-R Fc"	Through/40/60/80/100/120/150/180/220 Hz
Low Pass Filter	"LPF-SW Fc"	50/60/80/100/120/Through Hz
Subwoofer Phase	"SW PHASE"	Reverse (180°)/ Normal (0°)
Volume offset	"VOL-OFFSET"	–8 — ±0 (AUX: -8— +8)
Loudness	"LOUD"	OFF/ON
Dual Zone System	"2 ZONE"	OFF/ON

- Volume offset: Sets each source's volume as a difference from the basic volume.
- Loudness: Compensates for low and high tones during low volume. (Only the low tone is compensated for when the tuner is selected as a source.)
- Dual Zone System
  Main source and sub source (Auxiliary input) output Front channel and Rear channel separately.
  - Set up the channel of sub source by <Dual Zone System Setting> (page 27).
  - Select Main source by [SRC] button.
  - Adjust the volume of Front channel by [VOL] knob.
  - Adjust the volume of Rear channel by <Audio Control> (page 7).
  - The Audio Control has no effect on sub source.
- You can use the Dual Zone System with the internal auxiliary input.

5 Exit Audio Setup mode
Press the [VOL] knob for at least 1 second.

Speaker Setting

Fine-tuning so that the System Q value is optimal when setting the speaker type.

1 Enter Standby
Press the [SRC] button.
Select the "STANDBY" display.
Refer to <Selecting the Source> (page 6).

2 Enter Speaker Setting mode
Press the [VOL] knob.
"SP SEL" is displayed.

3 Select the Speaker type
Turn the [VOL] knob.
Each time you turn the knob, the setting alternates between the settings shown in the table below.

Speaker type	Display
OFF	"OFF"
For 5 & 4 in. speaker	"5/4inch"
For 6 & 6x9 in. speaker	"6x9/6inch"
For the OEM speaker	"O.E.M."

4 Exit Speaker Setting mode
Press the [VOL] knob.

Subwoofer Output

Turning the Subwoofer output ON or OFF.

Push the Control knob toward down for at least 2 seconds.
Each time you push the knob, Subwoofer output switches ON and OFF.
When it is ON, "SUB WOOFER ON" is displayed.

TEL Mute

The audio system automatically mutes when a call comes in.

When a call comes in
"CALL" is displayed.
The audio system pauses.

Listening to the audio during a call
Press the [SRC] button.
The "CALL" display disappears and the audio system comes back ON.

When the call ends
Hang up the phone.
The "CALL" display disappears and the audio system comes back ON.

- To use the TEL Mute feature, you need to hook up the MUTE wire to your telephone using a commercial telephone accessory. Refer to <Connecting Wires to Terminals> (page 34).

Function Control mode

To set up various functions of this unit, select tree-structured function items.

1 Enter Function Control mode
Press the [FNC] button.

2 Select your desired setup item
Select a setup item using the Control knob.

Operation type	Operation
Movement between items	Turn the Control knob.
Selection of item	Press the Control knob.
Return to previous item	Press the [FNC] button.

Functions of items are as follows:

Display	Icon	Function of setup item
"Menu"	"MENU"	Allows you to set up the environment. Refer to <Menu system> (page 24).
"Display Select"	"DISP"	Allows you to set up the display. Refer to page 10 to page 13.
"Preset Memory"	"P.MEM"	Allows you to put stations in the memory. Refer to <Station Preset Memory> (page 17).
"File Scan" etc.	"SCAN" etc.	Allows you to set how to play the CD and audio file. Refer to <Play function of CD and Audio file> (page 22).
"Return"	"↵"	Returns to the previous item.

3 Select an option for the selected item
Refer to the related pages for the operation of each option.

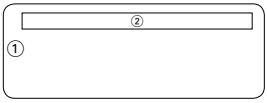
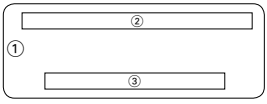
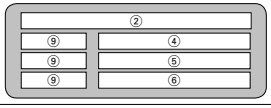
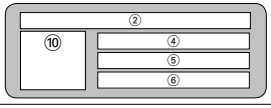
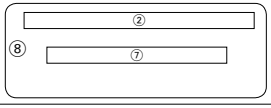
4 Exit Function Control mode
Press the [FNC] button for at least 1 second.

Display Type Selection

Changing the display mode.

1 Enter Display Type Selection mode
Using the Control knob, select "DISP" > "TYPE".
For the operation method, refer to <Function Control mode> (page 10).

2 Select the display Type
Turn the Control knob.
Select from the following display types:

Display Mode	Display
"TYPE SELECT [A]"	
"TYPE SELECT [B]"	
"TYPE SELECT [C]"	
"TYPE SELECT [D]"	
"TYPE SELECT [E]"	

① Graphic display part
② Status display
③ Text display part
④ Upper text display part
⑤ Middle text display part
⑥ Lower text display part
⑦ Text display part
⑧ Graphic display part
⑨ Text icon display part
⑩ Source icon display part

3 Exit Display Type Selection mode
Press the Control knob.

- To change the information by the Display Type, refer to the page on the following table for the methods to alternate by the Display Type.

Display Type	A	B	C	D	E
Graphic ①	11	11	—	—	—
Status ②	11	11	—	—	—
Text ③	—	12	—	—	—
Upper ④	—	—	12	12	—
Middle ⑤	—	—	12	12	—
Lower ⑥	—	—	12	12	—
Text ⑦	—	—	—	—	12

Display Type A/ Display Type B

Status Setting

Determine whether the On and Off statuses of various functions are to be displayed on the Display Type A/B.

1 Enter Status Setting mode
Using the Control knob, select "DISP" > "STATUS".
For the operation method, refer to <Function Control mode> (page 10).

2 Select the Status display
Turn the Control knob.

3 Exit Status Setting mode
Press the Control knob.

Display Type A/ Display Type B

Graphic Display Selection

Changing the graphic Display.

1 Enter Graphic Display Selection mode
Using the Control knob, select "DISP" > "GRAPH".
For the operation method, refer to <Function Control mode> (page 10).

2 Select the graphic display
Turn the Control knob or push it towards left or right.
Select from the following displays:

Graphic display	Display
Movie 1 – 2	
Spectrum Analyzere 1 – 3*	
Wallpaper 1 – 6	
Wallpaper scan	"SCAN"

* Function of KDC-X7006U.

3 Exit Graphic Display Selection mode
Press the Control knob.

- The setting of this function is available while "TYPE SELECT [A]"/ "TYPE SELECT [B]" is selected for the Display mode.

Text Display Selection —Display Type B&E—

Selecting the text display.

1 Enter Text Dispaly Selection mode
Using the Control knob, select "DISP" > "TEXT".
For the operation method, refer to <Function Control mode> (page 10).

2 Select the text
Turn the Control knob or push it towards left or right.
See <The text display> (page 13).
Display Type B: Information of condition column "③" is displayed.
Display Type E: Information of condition column "⑦" is displayed.

3 Exit Text Dispaly Selection mode
Press the Control knob.

- When LX-AMP is connected, the item setup by the Display mode of LX-AMP is displayed.
- When the music number exceeds 1000, only the last 3 digits of its number are displayed. (KDC-X7006U)
- Album name cannot be displayed in WMA file. (KDC-X7006)
- Music title, Artist name, and Album name cannot be displayed in WAV file. (KDC-X7006U)
- When playing music from iPod or music edited by "Music Editor", the folder name display may show something different such as playlist or artist name depending on the music selection procedure. (KDC-X7006U)
- In the Display Type B part, alternate information is displayed when display without information is selected.
- In the Display Type E part, no information is displayed when display without information is selected.

Text Display Selection — Display Type C&D—

Changing the text display.

1 Enter Text Display Selection mode
Using the Control knob, select "DISP" > "TEXT".
For the operation method, refer to <Function Control mode> (page 10).

2 Select the text display part
Push the Control knob towards up or down.
The cursor (▶) moves to the selected text display part.

Select the text
Turn the Control knob or push it towards left or right.
See <The text display> (page 13).
Upper text display part: Information of condition column "④" is displayed.
Middle text display part: Information of condition column "⑤" is displayed.
Lower text display part: Information of condition column "⑥" is displayed.

3 Exit Text Display Selection mode
Press the Control knob.

- When LX-AMP is connected, the item setup by the Display mode of LX-AMP is displayed.
- When the music number exceeds 1000, only the last 3 digits of its number are displayed. (KDC-X7006U)
- Album name cannot be displayed in WMA file. (KDC-X7006)
- Music title, Artist name, and Album name cannot be displayed in WAV file. (KDC-X7006U)
- When playing music from iPod or music edited by "Music Editor", the folder name display may show something different such as playlist or artist name depending on the music selection procedure. (KDC-X7006U)
- KDC-X7006 does not display the Spectrum analyzer.
- Same information cannot be displayed in Upper text display part, Middle text display part and Lower text display part. However, the blank display is able to have multiple selections.
- In the upper text display part, alternate information is displayed when display without information is selected.
- In the middle text display part, the Kenwood logo is displayed if the contents of the information cannot be displayed.
- In the lower text display part, no information is displayed when display without information is selected.

The text display

In Tuner source

Information	Display	Condition
Station name	"SNPS"	③④
Frequency	"Frequency"	③④
Spectrum Analyzer & Clock*1	"Speana/Clock"	④⑤⑥
Clock*1	"Clock"	③ ⑦
Clock*2	"Clock"	③④⑤⑥⑦
Date	"Date"	③④⑤⑥⑦
Blank	"Blank"	⑤⑥⑦

In CD & External disc source

Information	Display	Condition
Disc title	"Disc Title"	③④⑤⑥⑦
Track title	"Track Title"	③④⑤⑥⑦
Track number & Play time	"P-Time"	③④
Disc name	"DNPS"	③④⑤⑥⑦
Spectrum Analyzer & Clock*1	"Speana/Clock"	④⑤⑥
Clock*1	"Clock"	③ ⑦
Clock*2	"Clock"	③④⑤⑥⑦
Date	"Date"	③④⑤⑥⑦
Blank	"Blank"	⑤⑥⑦

In Audio file source

Information	Display	Condition
Music title & Artist name	"Title/Artist"	③④⑤⑥⑦
Album name & Artist name	"Album/Artist"	③④⑤⑥⑦
Folder name	"Folder Name"	③④⑤⑥⑦
File name	"File Name"	③④⑤⑥⑦
Play time & Music number	"P-Time"	③④
Spectrum Analyzer & Clock*1	"Speana/Clock"	④⑤⑥
Clock*1	"Clock"	③ ⑦
Clock*2	"Clock"	③④⑤⑥⑦
Date	"Date"	③④⑤⑥⑦
Blank	"Blank"	⑤⑥⑦

In Standby

Information	Display	Condition
Standby	"Source Name"	③④
Clock	"Clock"	③④⑤⑥⑦
Date	"Date"	③④⑤⑥⑦
Blank	"Blank"	⑤⑥⑦

In Auxiliary input source

Information	Display	Condition
Auxiliary input name	"Source Name"	③④
Spectrum Analyzer & Clock*1	"Speana/Clock"	④⑤⑥
Clock*1	"Clock"	③ ⑦
Clock*2	"Clock"	③④⑤⑥⑦
Date	"Date"	③④⑤⑥⑦
Blank	"Blank"	⑤⑥⑦

*1 Function of KDC-X7006U.
*2 Function of KDC-X7006.

Station/Disc Naming (SNPS/DNPS)

Attaching a title to a Station or CD.

1 Receive/play the station/disc you want to attach a title to

- A title cannot be attached to MD or Audio file media.

2 Enter Menu mode
Using the Control knob, select "MENU".
For the operation method, refer to <Function Control mode> (page 10).

3 Select Name set mode
Turn the Control knob.
Select the "Name Set" display.

4 Enter Name set mode
Press the Control knob for at least 1 second.

5 Move the cursor to the enter character position
Push the Control knob towards right or left.

6 Select the character type
Press the Control knob.
Each time you press the knob, the character type alternates between the types shown in the table below.

Character type
Alphabet upper case
Alphabet lower case
Numbers and symbols
Special characters (Accent characters)

7 Select the characters
Turn the Control knob or push it towards up or down.

- Enter characters by using a remote control with numbers buttons.
  Example: If you are entering "DANCE".

Character	Button	Times pressed
"D"	[3]	1
"A"	[2]	1
"N"	[6]	2
"C"	[2]	3
"E"	[3]	2

8 Repeat steps 5 through 7 and enter the name.

9 Exit Menu mode
Press the [FNC] button.

- When operation stops for 10 seconds the name at that time is registered, and Name Set mode closes.
- Memory numbers
  - FM/AM: 30 stations
  - Internal CD player: 10 discs
  - External CD changer/ player: Varies according to the CD changer/ player. Refer to the CD changer/ player manual.
- Change the title of station/CD by the same operation used to name it.

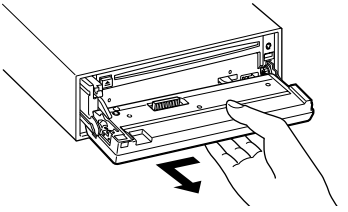
Theft Deterrent Faceplate

The faceplate of the unit can be detached and taken with you, helping to deter theft.

Removing the Faceplate

1 Press the Release button.
Drop open the faceplate.

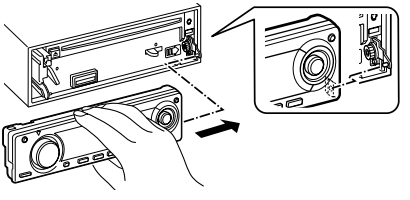
2 Drawing the faceplate to left side pull it to forward and remove it.



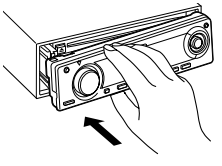
- The faceplate is a precision piece of equipment and can be damaged by shocks or jolts.
- Keep the faceplate in its faceplate case while detached.
- Do not expose the faceplate (and the faceplate case) to direct sunlight or excessive heat or humidity. Also avoid places with too much dust or the possibility of water splashing.

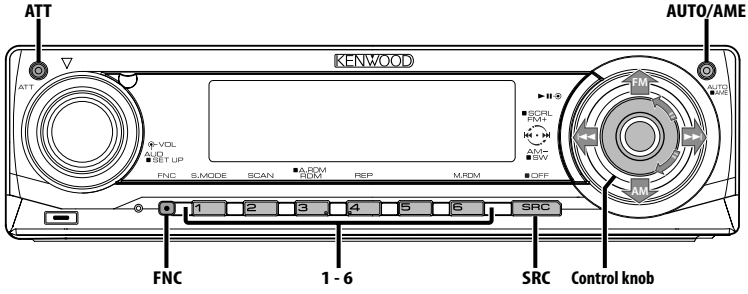
Reattaching the Faceplate

1 Align the shaft on the unit with the depression on the faceplate.



2 Push the faceplate in until it clicks.
The faceplate is locked in place, allowing you to use the unit.





Tuning

Selecting the station.

1 Select tuner source
Press the [SRC] button.
Select the "TUNER" display.
Refer to <Selecting the Source> (page 6).

2 Select the band
Push the Control knob towards [FM] or [AM].
Each time you push the knob toward [FM], it switches between the FM1, FM2, and FM3 bands.

3 Tune up or down band
Push the Control knob towards [I◄◄] or [►►I].

- During reception of stereo stations the "ST" indicator is ON.

Tuning Mode

Choose the tuning mode.

Press the [AUTO] button.
Each time you press the button, the Tuning mode alternates between the modes shown in the table below.

Tuning mode	Display	Operation
Auto seek	"Seek Mode:Auto1"	Automatic search for a station.
Preset station seek	"Seek Mode:Auto2"	Search in order of the stations in the Preset memory.
Manual	"Seek Mode:Manual"	Normal manual tuning control.

Function of remote control

Direct Access Tuning

Entering the frequency and tuning.

1 Select the band
Press the [FM] or [AM] button.

2 Enter Direct Access Tuning mode
Press the [DIRECT] button on the remote control.
"– – – –" is displayed.

3 Enter the frequency
Press the number buttons on the remote control.
Example:

Desired frequency	Press button
92.1 MHz (FM)	[0], [9], [2], [1]
810 kHz (AM)	[0], [8], [1], [0]

Cancelling Direct Access Tuning
Press the [DIRECT] button on the remote control.

- You can enter the FM band frequency in steps of a minimum of 0.1 MHz.

Station Preset Memory

Putting a station in the memory.

1 Select the band
Push the Control knob towards [FM] or [AM].

2 Select the frequency to put in the memory
Push the Control knob towards [I◄◄] or [►►I].

3 Enter Preset Memory mode
Using the Control knob, select "P.MEM".
For the operation method, refer to <Function Control mode> (page 10).

4 Select the number to put in the memory
Turn the Control knob.

5 Determine the number to put in the memory
Press the Control knob.

6 Allow the determined number to take effect
Press the Control knob.

Cancelling the Preset Memory mode
Press the [FNC] button.

- This function can be operated with [1] — [6] button.
  - Press the desired [1] — [6] button for at least 2 seconds.

Auto Memory Entry

Putting stations with good reception in the memory automatically.

1 Select the band for Auto Memory Entry
Push the Control knob towards [FM] or [AM].

2 Open Auto Memory Entry
Press the [AME] button for at least 2 seconds.
When 6 stations that can be received are put in the memory Auto Memory Entry closes.

Preset Tuning

Recalling the stations in the memory.

1 Select the band
Push the Control knob towards [FM] or [AM].

2 Enter Preset Tuning Select mode
Turn the Control knob.

3 Select a desired station in the memory
Turn the Control knob.

4 Recall the station
Press the Control knob.

Cancelling Preset Tuning
Press the [FNC] button.

- This function can be operated with [1] — [6] button.
  - Press the desired [1] — [6] button.

Frequency Step Setting

Changing the tuning frequency step.
The original setting is FM band 50 kHz, and AM band 9 kHz.

1 Turn the power OFF
Press the [SRC] button for at least 1 second.

2 Switch the frequency step
While pressing the [1] and [5] buttons, press the [SRC] button.
Release your fingers from the button after the display appears.
The frequency step changes to FM band 200 kHz, and AM band 10 kHz.

- When the same operation is repeated, the frequency step returns to the original setting.
- When the frequency step is changed, the frequencies in the memory are deleted.

Function of LX BUS Television

TV Tuning

Selecting the TV channel of a connected LX BUS Television (optional accessory).
The action depends on the setting of the connected LX BUS Television. Refer to the user instruction of the LX BUS Television for details.

1 Select TV source
Press the [SRC] button.
Select the "TV" display.
Refer to <Selecting the Source> (page 6).

2 Select the TV band and Video input
Push the Control knob toward [FM].
Each time you push the knob to [FM], TV bands and Video input alternate.

3 Select the TV channel
Push the Control knob towards [I◄◄] or [►►I].

Function of LX BUS Television

TV channel Preset Memory

Putting the TV channels in the memory.

1 Select the TV band
Push the Control knob toward [FM].

2 Select the TV channel to put in the memory
Push the Control knob towards [I◄◄] or [►►I].

3 Enter Preset Memory mode
Using the Control knob, select "P.MEM".
For the operation method, refer to <Function Control mode> (page 10).

4 Select the number to put in the memory
Turn the Control knob.

5 Determine the number to put in the memory
Press the Control knob.

6 Allow the determined number to take effect
Press the Control knob.

Cancelling the Preset Memory mode
Press the [FNC] button.

- This function can be operated with [1] — [6] button.
  - Press the desired [1] — [6] button for at least 2 seconds.

Function of LX BUS Television

Preset TV Tuning

Recalling the TV channels in the memory.

1 Select the TV band
Push the Control knob toward [FM].

2 Enter Preset Tuning Select mode
Turn the Control knob.

3 Select a desired station in the memory
Turn the Control knob.

4 Recall the station
Press the Control knob.

Cancelling Preset Tuning
Press the [FNC] button.

- This function can be operated with [1] — [6] button.
  - Press the desired [1] — [6] button.

Function of remote control

Direct TV Tuning

Entering the TV channel and tuning.

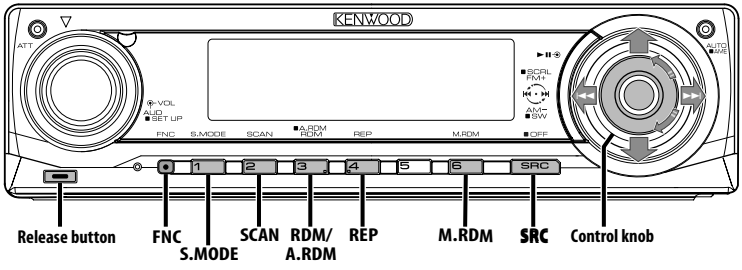
1 Select the TV band
Press the [FM] button.

2 Enter Direct TV Tuning mode
Press the [DIRECT] button on the remote control.
"– –" is displayed.

3 Enter the TV channel
Press the number buttons on the remote control.
Example:

Desired channel	Press button
8 ch	[0], [8]

Cancelling Direct TV Tuning
Press the [DIRECT] button on the remote control.



Playing CD & Audio file

When there is no disc inserted

1 Drop open the faceplate
Press the Release button.

2 Insert a disc.

3 Push the faceplate on the left side, and return it to its former position.

- When the faceplate has been dropped open, it might interfere with the shift lever or other vehicle function. If this happens, pay attention to safety and move the shift lever or take an appropriate action to remove the obstacle, then operate the unit.
- Do not use the unit with the faceplate in the open condition. If it's used in the open position dust can enter the inside part and cause damage.

- For the audio files and discs you can play with this unit, refer to <About Audio file> (page 4).
- When a disc is inserted, the "IN" indicator is ON.

When a disc is inserted

Press the [SRC] button.
Select the "Compact Disc" display.
Refer to <Selecting the Source> (page 6).

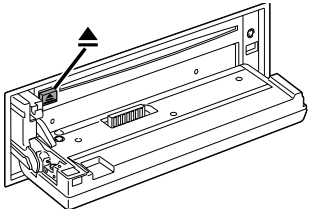
Pause and play

Press the Control knob.
Each time you press the knob, the audio pauses or plays.

Eject the disc

1 Drop open the faceplate
Press the Release button.

2 Eject the disc
Press the [⏏] button.



Next page ►

3 Press the faceplate on the left side, and return it to its former position.

- You can eject the disc for 10 minutes after switching off the engine. Playing CD & Audio file.

Function of KDC-X7006U

Playing USB (iPod) device

When the USB device is not connected

Connect the USB device

Playback of the file contained in the USB device starts.

When the USB device is connected

Select USB source

Press the [SRC] button.

Select the "USB" (or "iPod") display.

Refer to <Selecting the Source> (page 6).

- For the audio files that can be played with this unit and the devices that can be connected to this unit, refer to <About Audio file> (page 4).
- The word "iPod" appearing in this manual indicates the iPod connected with the KCA-iP200 (optional accessory). Refer to <About Audio file> (page 4).
- If you start playback after connecting the iPod, the music that has been played by the iPod is played first. In this case, "RESUMING" is displayed without displaying a folder name, etc. Changing the browse item will display a correct title, etc.
- When the iPod is connected to this unit, "KENWOOD" or "✓" is displayed on the iPod to indicate that you cannot operate the iPod.
- When the USB device is connected to this unit, it can be charged up provided that this unit is powered.
- When the Multi Card Reader is used, refer to <Drive Search> (page 20).
- After you stopped playing a file contained in the USB device, you can restart playing the file from the point where you stopped its playback. Even after removing the USB device, you can restart playing the file from the point where you stopped its playback as long as the files contained in the USB device are all the same.
- Be sure to insert the USB device connector as far as it will go.

Pause and play

Press the [►II] button.

Each time you press the knob, the audio pauses or plays.

Removing the USB device

1 Drop open the faceplate
Press the Release button.

2 Set the remove mode as the USB source
Press the [⏏] button for at least 2 seconds.
The ⏏ indicator blinks.

3 Remove the USB device.

Function of KDC-X7006U

Drive Search

Selecting the device inserted in the Multi Card Reader.

1 Put the playback to pause
Press the [S.MODE] button.

2 Select a device
Push the Control knob towards up or down.

3 Restart playback
Press the Control knob.

- This unit is compliant with Multi Card Readers with a maximum of 4 slots.
- If a device is inserted during connection of the Multi Card Reader, it is not recognized. Select the Remove mode with reference to <Playing USB (iPod) device> (page 20), remove the Card Reader, and then insert the memory.

Playing External Disc

Playing discs set in the optional accessory disc player connected to this unit.

Press the [SRC] button.

Select the display for the disc player you want. Refer to <Selecting the Source> (page 6).

Display examples:

Display	Disc player
"CD Changer"	CD changer
"MD Changer"	MD changer

Pause and play

Press the Control knob.

Each time you press the knob, the audio pauses or plays.

- The functions that can be used and the information that can be displayed will differ depending on the external disc players being connected.

Fast Forwarding and Reversing

Fast Forwarding

Hold down toward [►►I] with the Control knob.

Release to resume the playback.

Reversing

Hold down toward [I◄◄] with the Control knob.

Release to resume the playback.

- There is no sound while the Audio file is being searched.
- You cannot fast Forwarding and Reversing while AAC file is being played. (KDC-X7006)

Music Search

Switching between music contained in the disc or folder being played now.

Push the Control knob towards [I◄◄] or [►►I].

Function of disc changer/ Audio file

Disc Search/Folder/Album Search

Switching between folders/albums contained in the disc in the disc changer, media, or device being played now.

Push the Control knob towards up or down.

- This function is not available on iPod and the music edited by "Music Editor".

Function of remote control

Direct Music Search

Doing Music Search by entering the music number.

1 Enter the music number

Press the number buttons on the remote control.

- You can select Direct music Search up to 999.

2 Do music Search

Press the [I◄◄] or [►►I] button.

Cancelling Direct Music Search

Press the [►II] button.

- This function is not available on iPod and the music edited by "Music Editor".

Function of disc changers with remote control

Direct Disc Search

Doing Disc Search by entering the disc number.

1 Enter the disc number

Press the number buttons on the remote control.

2 Do Disc Search

Press the [FM+] or [AM−] button.

Cancelling Direct Disc Search

Press the [►II] button.

Play function of CD and Audio file

Setting up the Repeat Play and Scan Play

1 Set up the play function
Using the Control knob, set your desired setup item to On/Off.
For the operation method, refer to <Function Control mode> (page 10).
When the play function is turned on, "ON" is displayed.

Display/Icon	Press button*	Function
"File Scan"/ "SCAN"	"SCAN"	Plays the beginnings of the audio files in the current folder or genre one after another for 10 seconds each.
"Folder RDM"/ "RDM"	"RDM"	Plays the audio files in the current folder or genre at random.
"All Random"/ "A.RDM"*1	"A.RDM"*2	Plays the audio files in the current disk or USB device at random.
"File Repeat"/ "FiREP"	"REP"	Plays the current audio file repeatedly.
"Folder Repeat"/ "FoREP"	"REP"*3	Plays the audio files in the current folder or genre repeatedly.
"(Track) Scan"/ "SCAN"	"SCAN"	Plays the beginnings of the music on the current CD/MD one after another for 10 seconds each.
"Disc Random"/ "D.RDM"	"RDM"	Plays the music on the current CD/MD at random.
"Magazine RDM"/ "M.RDM"	"M.RDM"	Plays the music in the disc changer at random.
"(Track) Repeat"/ "T.REP"	"REP"	Plays the current music on the current CD/MD repeatedly.
"Disc Repeat"/ "D.REP"	"REP"*3	Plays the music on the current CD/MD repeatedly.

- * The functions listed in the table above can be operated with buttons on the unit.
- *1 Function of KDC-X7006U.
- *2 Press the [A.RDM] button for at least 1 second.
- *3 Press the [REP] button twice.

2 Select an option for the selected item
Press the Control knob.
Pressing the Control knob switches between options.

3 Exit Play Function Set mode
Press the [FNC] button.

- Only the icons available to the current source are displayed.

Function of Audio file

File Select

Selecting the music you want to listen to from the device or media being played now.

1 Enter File Select mode
Turn the Control knob.

2 Search for music
Select the category item using the Control knob.

Operation system for iPod

Operation type	Operation
Movement between items	Turn the Control knob.
Selection of item	Press the Control knob.
Return to previous item	Push the Control knob towards up.
Return to first item	Push the Control knob towards up for at least 1 second.

Operation system for other than iPod

Operation type	Operation
Movement between items	Turn the Control knob.
Selection of item*1	Push the Control knob towards right.
Selection of item*2	Press the Control knob. Push the Control knob towards right.
Return to previous item	Push the Control knob towards left.
Return to first item	Push the Control knob towards left for at least 1 second.

*1 Function of KDC-X7006U.
*2 Function of KDC-X7006.

The "◄" or "►" symbol shown beside the displayed item indicates that the item is preceded or followed by another item.
Selecting a music will play it from the beginning.

Cancelling File Select
Press the [FNC] button.

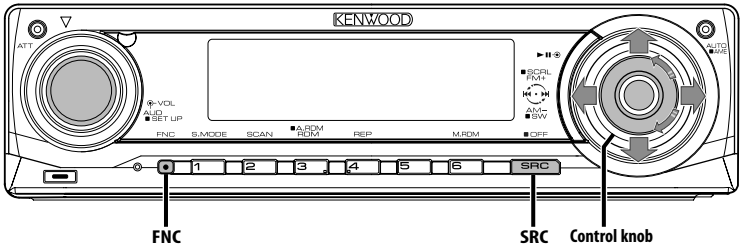
- Even when the iPod is connected, you can change the operation method from <Operation method for iPod> to <Operation method for other than iPod>. Refer to <iPod mode setting> (page 25).

Text/Title Scroll

Scrolling the displayed CD text, Audio file text, or MD title.

Push the Control knob toward up for at least 2 seconds.

- When the <Display Illumination Control> (page 27) is set to OFF, the display may black out while scrolling.



Function icon

Menu System

Setting beep sound during operation, etc. functions.
The Menu system basic operation method is explained here. The reference for the Menu items and their setting content is after this operation explanation.

1 Enter Menu mode
Using the Control knob, select "MENU".
For the operation method, refer to <Function Control mode> (page 10).

2 Select the menu item
Turn the Control knob.
Example: When you want to set the beep sound select the "Beep" display.

3 Set the menu item
Turn the Control knob or push it towards up or down.
Example: When you select "Beep", each time you push the knob it alternates between "Beep : ON" or "Beep : OFF". Select 1 of them as the setting.
You can continue by returning to step 2 and setting other items.

4 Exit Menu mode
Press the [FNC] button.

- When other items those applicable to the basic operation method above are displayed, their setting content chart is entered. (Normally the setting listed at the top of the chart is the original setting.)
  Also, the explanation for items that are not applicable (<Manual Clock Adjustment> etc.) are entered step by step.
- Three menu items appear on the display. The menu item displayed at the center is the one you can adjust.

In Standby mode

Security Code

Activating the Security Code disables the usage of audio unit by someone else. Once the Security Code is activated, the entry of authorized Security Code is required to turn on the audio unit when it is removed from the vehicle. Indication of this Security Code activation prevents your precious audio unit from stealing.

- When you activate the Security Code function, it cannot be released.
  Note, your Security Code is the 4 digit number entered in your "Car Audio Passport" in this package.

1 Enter Standby
Press the [SRC] button.
Select the "STANDBY" display.
Refer to <Selecting the Source> (page 6).

2 Enter Menu mode
Using the Control knob, select "MENU".
For the operation method, refer to <Function Control mode> (page 10).
"Security Set" is displayed.

3 Enter Security Code mode
Press the Control knob for at least 1 second.
When "Enter" is displayed, "SECURITY SET" is also displayed.

4 Select the digits to enter
Push the Control knob towards right or left.

5 Select the Security Code numbers
Turn the Control knob or push it towards up or down.

6 Repeat steps 4 and 5, and complete the Security Code.

7 Confirm the Security Code
Press the Control knob for at least 3 seconds.
When "Re-Enter" is displayed, "SECURITY SET" is also displayed.

8 Do the step 4 through 7 step operation, and reenter the security code.
"Approved" is displayed.
The Security Code function activates.

- If you enter a Code different from your Security Code, you have to start over from step 4.

9 Exit Security Code mode
Press the [FNC] button.

Resetting the Security Code function when the audio unit is first used after removed from the battery power source or the Reset button is pressed

1 Turn the power ON.

2 Do the step 4 through 7 step operation, and reenter the security code.
"Approved" is displayed.
Now, you can use the unit.

- If an incorrect code is entered, "Waiting" is displayed, and the input prohibition periods shown in the table below is generated.
  After the input prohibition time lapses, "SECURITY SET" is displayed, and you can reenter the code.

Number of times the incorrect code was input	Input prohibited time
1	—
2	5 minutes
3	1 hour
4	24 hours

In Standby mode

Source Select Mode

Setting up the Source Select mode.

Display	Setting
"SRC Select : 1"	Displays source icons for your choice.
"SRC Select : 2"	Allows you to select sources one after another.

Function of KDC-X7006U
In USB mode with iPod connected

iPod mode setting

Setting up the iPod operation method in File Select.

Display	Setting
"iPod Mode : ON"	Uses the operation method similar to that of iPod.
"iPod Mode : OFF"	Uses the operation method different from that of iPod.

In Standby mode

Touch Sensor Tone

Setting the operation check sound (beep sound) ON/OFF.

Display	Setting
"Beep : ON"	Beep is heard.
"Beep : OFF"	Beep canceled.

In Standby mode

Manual Clock Adjustment

1 Select Clock Adjustment mode
Turn the Control knob.
Select the "Clock Adjust" display.

2 Enter Clock Adjust mode
Press the Control knob for at least 1 second.
The clock display blinks.

3 Selecting the item (hours or minutes) to adjust
Push the Control knob towards right or left.
The items that are blinking are items that you can adjust.

4 Adjust each item
Turn the Control knob or push it towards up or down.

5 Exit Clock adjustment mode
Press the [FNC] button.

In Standby mode

Date Adjustment

1 Select Date Adjust mode
Turn the Control knob.
Select the "Date Adjust" display.

2 Enter Date Adjust mode
Press the Control knob for at least 1 second.
The date display blinks.

3 Selecting the item (day, month, or year) to adjust
Push the Control knob towards right or left.
The items that are blinking are items that you can adjust.

4 Adjust each item
Turn the Control knob or push it towards up or down.

5 Repeat step 3 and 4 operation and adjust the date.

6 Exit Date adjustment mode
Press the [FNC] button.

In Standby mode

Date Mode

Setting the date format.

1 Select Date Mode
Turn the Control knob.
Select the "Date Mode" display.

2 Enter Date mode
Press the Control knob for at least 1 second.

3 Select the date format
Turn the Control knob or push it towards up or down.

4 Exit Date mode
Press the [FNC] button.

In Standby mode

DSI (Disabled System Indicator)

A red indicator will blink on the unit after the faceplate is removed, warning potential thieves.

Display	Setting
"DSI : ON"	LED flashes.
"DSI : OFF"	LED OFF.

Display Illumination Control

This function turns off the display when you perform no operation for 5 seconds. This function is effective when you are driving at night.

Display	Setting
"Display : ON"	Keeps the display on.
"Display : OFF"	Turns off the display when you perform no operation for 5 seconds.

- When the display is off, pressing any key will turn on the display.
- When the display is off, you cannot perform any operation except for the following:
  - Volume
  - Attenuator
  - Selecting the source
  - Turning off the power
- During function control, such as the Menu System, the display stays on.

In Standby mode

Dimmer

Dimming this unit's display automatically when the vehicle light switch is turned ON.

Display	Setting
"Dimmer : ON"	The display dims.
"Dimmer : OFF"	The display doesn't dim.

In Standby mode

Built-in Amp Setting

Controlling the built-in amplifier.
Turning OFF this control enhances the preout quality.

Display	Setting
"AMP : ON"	The built-in amplifier activates.
"AMP : OFF"	The built-in amplifier deactivates.

Other than Standby mode/
When the Dual Zone System is ON

Dual Zone System Setting

Setting the Front channel and Rear channel sound in the Dual Zone System.

Display	Setting
"Zone 2 : Rear"	Sub source (Auxiliary input source) is to be rear channel.
"Zone 2 : Front"	Sub source (Auxiliary input source) is to be front channel.

In Audio file source

Supreme Setting

When AAC, MP3 or WMA files encoded at a low bit rate (less than 96kbps (fs= 44.1k, 48kHz)) are played, this function restores their high frequency region to approach the sound quality of equivalents of these files encoded at a high bit rate. Processing is optimized for the compression format used (AAC, MP3, or WMA), and adjustment is made for the bit rate used.

Display	Setting
"Supreme : ON"	Plays sound using the Supreme function.
"Supreme : OFF"	Plays the original sound stored in the audio file.

- The sound effect may be imperceptible depending on the relationship between the audio file format and setting.
- This function is not available on iPod.

Other than Standby mode

B.M.S. (Bass Management System)

Adjust the bass boost level of the external amplifier using the main unit.

Display	Setting
"AMP Bass : Flat"	Bass boost level is flat.
"AMP Bass : +6"	Bass boost level is low (+6dB).
"AMP Bass : +12"	Bass boost level is mid (+12dB).
"AMP Bass : +18"	Bass boost level is high (+18dB).

- Refer to the catalog or instruction manual for power amplifiers that can be controlled from this unit.
- For amplifiers, there are the models you can set from Flat to +18 dB, and the models you can set from Flat to +12 dB.
  When an amplifier that can only be set to +12 is connected to the unit, "AMP Bass : +18" will not work correctly even if it is selected.

Other than Standby mode

B.M.S. Frequency Offset

Setting the central frequency, boosted by B.M.S.

Display	Setting
"AMP FREQ : Normal"	Boost with the normal central frequency.
"AMP FREQ : Low"	Drop the normal central frequency 20%.

When LX AMP unit connecting

AMP Control

You can control the LX AMP connected to the unit.

1 Select AMP Control mode
Turn the Control knob.
Select the "AMP Control" display.

2 Enter AMP Control mode
Press the Control knob for at least 1 second.

3 Select the AMP Control item for adjustment
Push the Control knob towards up or down.

- For the details on the AMP Control item, see the Instruction manual attached to the LX AMP.

4 Adjust the AMP Control item
Push the Control knob towards right or left.

5 Exit AMP Control mode
Press the [FNC] button.

- You cannot use the LX AMP operation during standby mode.

In FM reception

CRSC (Clean Reception System Circuit)

Temporarily have reception alternate from stereo to mono to reduce multi-path noise when listening to the FM station.

Display	Setting
"CRSC : ON"	The CRSC is ON.
"CRSC : OFF"	The CRSC is OFF.

- Strong electrical fields (such as from power lines) may cause unstable sound quality when CRSC is turned ON. In such a situation, turn it OFF.

Auxiliary Input Display Setting & Station/Disc Naming

Selecting the display when changing to Auxiliary input source. For the Station/Disc Naming refer to the <Station/Disc Naming (SNPS/DNPS)> (page 14).

1 Select Auxiliary input source
Press the [SRC] button.
Select the "AUX"/"AUX EXT" display.
Refer to <Selecting the Source> (page 6).

2 Enter Menu mode
Using the Control knob, select "MENU".
For the operation method, refer to <Function Control mode> (page 10).
"MENU" is displayed.

3 Select Auxiliary input display setting mode
Turn the Control knob.
Select the "Name Set" display.

4 Enter Auxiliary input display setting mode
Press the Control knob for at least 1 second.
The presently selected Auxiliary input display is displayed.

5 Select the Auxiliary input display
Turn the Control knob or push it towards up or down.
Each time you push the knob, the display alternates as listed below.
- "AUX"/"AUX EXT"
- "DVD"
- "PORTABLE"
- "GAME"
- "VIDEO"
- "TV"

6 Exit Auxiliary input display setting mode
Press the [FNC] button.

- When operation stops for 10 seconds, the name at that time is registered, and the Auxiliary input display setting mode closes.
- The Auxiliary input display can be set only when the built-in auxiliary input or the auxiliary input of optional KCA-S220A is used.

Text Scroll

Setting the displayed text scroll.

Display	Setting
"Scroll : Auto"	Repeats scroll.
"Scroll : Manual"	Scrolls when the display changes.

- The text scrolled is listed below.
  - CD text
  - Folder name/ File name/ Music title/ Artist name/ Album name
  - MD title

In Standby mode

Built-in Auxiliary input Setting

Set the Built-in Auxiliary Input function.

Display	Setting
"Built in AUX : OFF"	When selecting the source there's no Auxiliary Input.
"Built in AUX : ON"	When selecting the source there's Auxiliary Input.

In Standby mode

CD Read Setting

When there is a problem with playing a CD with special format, this setting plays the CD by force.

Display	Setting
"CD Read : 1"	Play CD and Audio file.
"CD Read : 2"	Play CD by force.

- Some music CDs may not play even in the "CD Read : 2" mode.

Other than Standby mode

Audio Preset Memory

Registering the value setup by Sound Control. The memory cannot be erased by the Reset button.

1 Setup Sound Control
Refer to the following operations to setup the Sound Control.
- <Audio Control> (page 7)
- <Audio Setup> (page 8)

2 Enter Menu mode
Using the Control knob, select "MENU".
For the operation method, refer to <Function Control mode> (page 10).
"MENU" is displayed.

3 Select Audio Preset mode
Turn the Control knob.
Select the "Audio Preset" display.

4 Enter Audio Preset mode
Press the Control knob for at least 1 second.

5 Select the Audio Preset Memory
Turn the Control knob.
Select the "Memory" display.

6 Determine whether to put the Audio Preset in the memory
Press the Control knob.
"Memory?" is displayed.

7 Put the Audio Preset in the memory
Select "Yes" using the Control knob.
"Memory Completed" is displayed.

8 Exit Audio Preset mode
Press the [FNC] button.

- Register 1 pair of Audio Preset Memory. You cannot register by the source.
- When you press the Reset, all the sources will be the setting value which is registered.
- The following items cannot be registered.
  Volume, Balance, Fader, Loudness, Volume offset, Dual Zone System, Rear Volume

Other than Standby mode

Audio Preset Recall

Recalling the sound setup registered by <Audio Preset Memory> (page 30).

1 Select the source
Press the [SRC] button.
Refer to <Selecting the Source> (page 6).

2 Enter Menu mode
Using the Control knob, select "MENU".
For the operation method, refer to <Function Control mode> (page 10).
"MENU" is displayed.

3 Select Audio Preset mode
Turn the Control knob.
Select the "Audio Preset" display.

4 Enter Audio Preset mode
Press the Control knob for at least 1 second.

5 Select the Audio Preset Recall
Turn the Control knob.
Select the "Recall" display.

6 Determine whether to recall the Audio Preset
Press the Control knob.
"Recall?" is displayed.

7 Recall the Audio Preset
Select "Yes" using the Control knob.
"Recall Completed" is displayed.

8 Exit Audio Preset mode
Press the [FNC] button.

- The User memory of "SYSTEM Q" in <Audio Control> (page 7) is changed to the value which was recalled.
- The source tone memory item of <Audio Control> (page 7) is changed to the value which was recalled by the selected source.

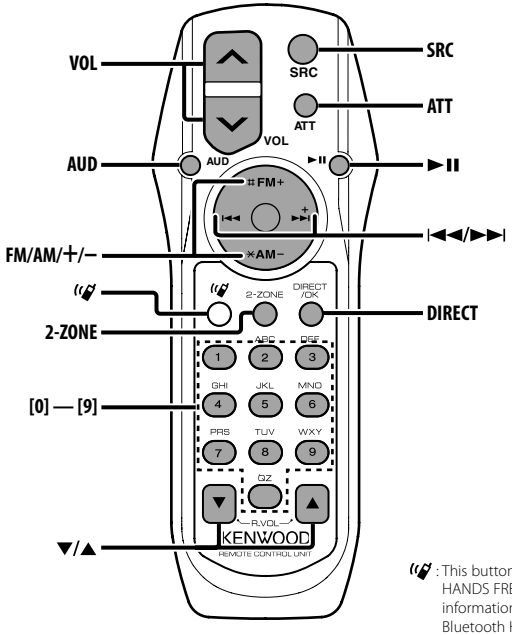
Function of KDC-X7006U
In Standby mode

Firmware version display

Displaying the firmware version with the unit.

Turn the Control knob.
Select the "F/W Version : " display.

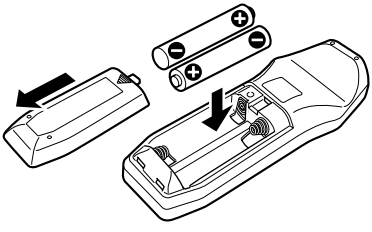
Basic Operations of remote control



: This button is used when Kenwood Bluetooth HANDS FREE BOX is connected. For more information, refer to the instruction manual of Bluetooth HANDS FREE BOX.

Loading and Replacing the battery

Use two "AA"/ "R6"-size batteries.
Slide the cover while pressing downwards to remove it as illustrated.
Insert the batteries with the + and – poles aligned properly, following the illustration inside the case.



⚠WARNING

- Store unused batteries out of the reach of children. Contact a doctor immediately if the battery is accidentally swallowed.

⚠

- Do not set the remote control in hot places such as on the dashboard.

Basic operations

[VOL] buttons

Adjusts the volume.

[SRC] button

Each time you press the button, the source alternates.
For the source alternating order refer to <Selecting the Source> (page 6).

[ATT] button

Turns the volume down quickly.
When the button is pressed again, the volume returns to the previous level.

Audio Control

[AUD] button
Selects the Audio item to be adjusted.

[VOL] buttons
Adjusts the Audio item.

- Refer to <Audio Control> (page 7) for the operation method, such as the procedures for Audio control and others operations.
- The remote control can only select and adjust the Basic Audio item. Selecting and adjusting of the Detail Audio item cannot be done.

Dual Zone System

[2-ZONE] button
Each time you press the button, "2 ZONE" of <Audio Setup> (page 8) is turned ON or OFF.

[▲]/ [▼] buttons
Adjusts the volume of the rear channel.
The rear channel activates while the Dual Zone System is ON.

In Tuner source

[FM]/ [AM] buttons
Selects the band.
Each time you press the [FM] button, the band alternates between the FM1, FM2, and FM3 bands.

[I◄◄]/ [►►I] buttons
Tune up or down band.

[0] — [9] buttons
Press buttons [1] — [6] to recall preset stations.

[DIRECT] button
Enters and cancels the <Direct Access Tuning> (page 16) mode.

In Disc/USB source

[I◄◄]/ [►►I] buttons
Going forwards and backwards between music.

[+]/ [−] buttons
Going forwards and backwards between disc/ folders.

[►II] button
Each time you press the button, the music is played or paused.

[0] — [9] buttons
When in <Direct Music Search> (page 21) and <Direct Disc Search> (page 21), enters the music/ disc number.

In TV source

[FM] button
Selects the TV band and Video input.
Each time you press the [FM] button, TV bands and Video input alternates.

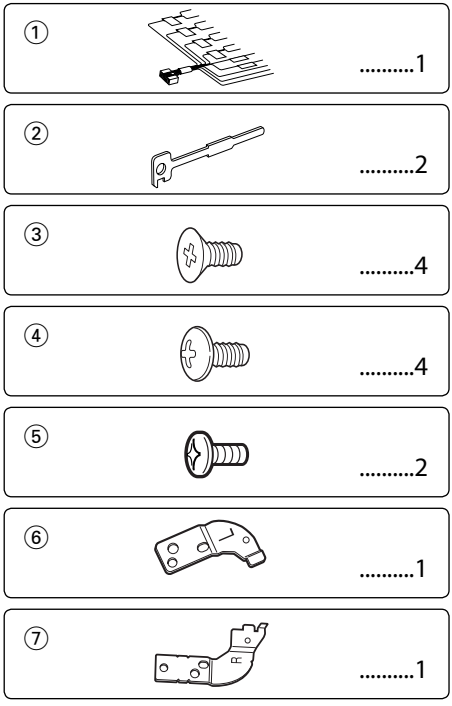
[I◄◄]/ [►►I] buttons
Selects the TV channel.

[0] — [9] buttons
Press buttons [1] — [6] to recall preset TV channels.

[DIRECT] button
Enters and cancels the <Direct TV Tuning> (page 18) mode.

Accessories/ Installation Procedure

Accessories



Installation Procedure

1. To prevent a short circuit, remove the key from the ignition and disconnect the ⊖ battery.
2. Make the proper input and output wire connections for each unit.
3. Connect the speaker wires of the wiring harness.
4. Connect the wiring harness wires in the following order: ground, battery, ignition.
5. Connect the wiring harness connector to the unit.
6. Install the unit in your car.
7. Reconnect the ⊖ battery.
8. Press the reset button.

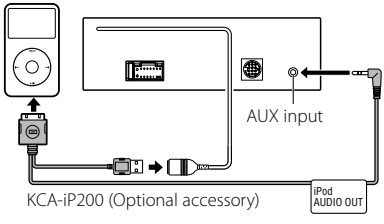
⚠WARNING

If you connect the ignition wire (red) and the battery wire (yellow) to the car chassis (ground), you may cause a short circuit, that in turn may start a fire. Always connect those wires to the power source running through the fuse box.

⚠

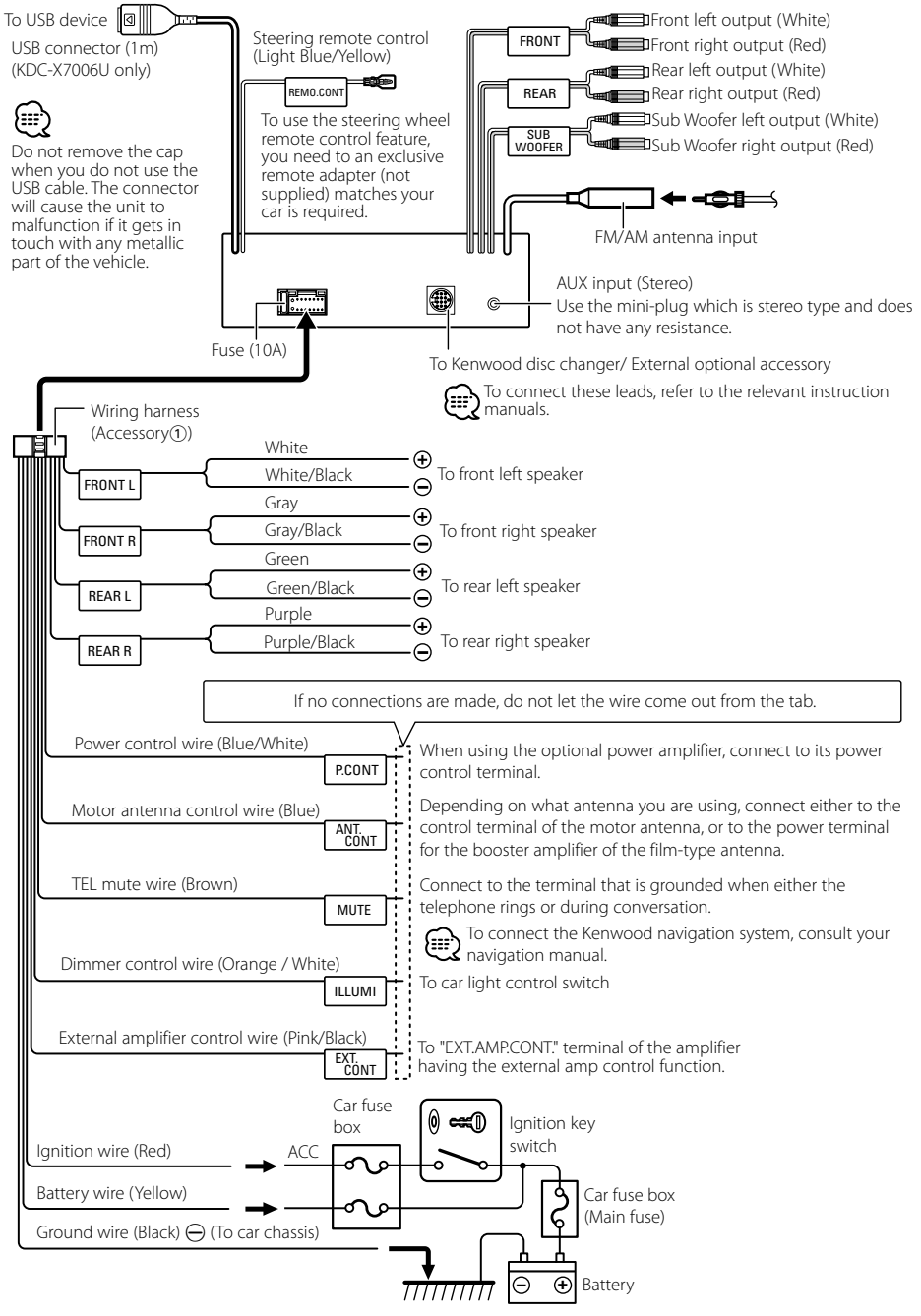
- If the power is not turned ON ("Protect" is displayed), the speaker wire may have a short-circuit or touched the chassis of the vehicle and the protection function may have been activated. Therefore, the speaker wire should be checked.
- If your car's ignition does not have an ACC position, connect the ignition wires to a power source that can be turned on and off with the ignition key. If you connect the ignition wire to a power source with a constant voltage supply, as with battery wires, the battery may die.
- If the console has a lid, make sure to install the unit so that the faceplate will not hit the lid when closing and opening.
- If the fuse blows, first make sure the wires aren't touching to cause a short circuit, then replace the old fuse with one with the same rating.
- Insulate unconnected wires with vinyl tape or other similar material. To prevent a short circuit, do not remove the caps on the ends of the unconnected wires or the terminals.
- Connect the speaker wires correctly to the terminals to which they correspond. The unit may be damaged or fail to work if you share the ⊖ wires or ground them to any metal part in the car.
- When only two speakers are being connected to the system, connect the connectors either to both the front output terminals or to both the rear output terminals (do not mix front and rear). For example, if you connect the ⊕ connector of the left speaker to a front output terminal, do not connect the ⊖ connector to a rear output terminal.
- After the unit is installed, check whether the brake lamps, blinkers, wipers, etc. on the car are working properly.
- Mount the unit so that the mounting angle is 30° or less.

If You Want to Connect iPod

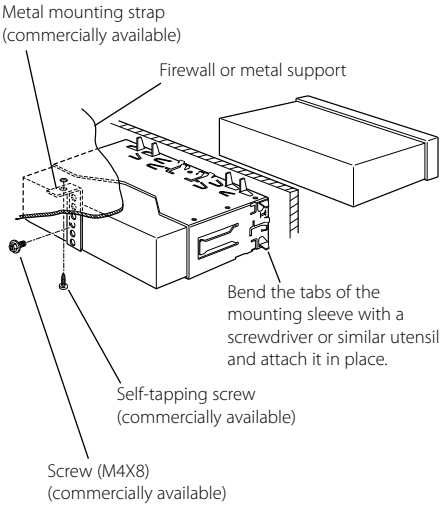


- No other optional accessory can be connected because the USB connector and the AUX input are used for iPod connection.
- Dual Zone System in <Audio Setup> (page 8) will become unavailable.

Connecting Wires to Terminals


To USB device
USB connector (1m)
(KDC-X7006U only)
Do not remove the cap when you do not use the USB cable. The connector will cause the unit to malfunction if it gets in touch with any metallic part of the vehicle.
Steering remote control (Light Blue/Yellow)
REMO.CONT
To use the steering wheel remote control feature, you need to an exclusive remote adapter (not supplied) matches your car is required.
FRONT
REAR
SUB WOOFER
Front left output (White)
Front right output (Red)
Rear left output (White)
Rear right output (Red)
Sub Woofer left output (White)
Sub Woofer right output (Red)
FM/AM antenna input
AUX input (Stereo)
Use the mini-plug which is stereo type and does not have any resistance.
Fuse (10A)
To Kenwood disc changer/ External optional accessory
To connect these leads, refer to the relevant instruction manuals.
Wiring harness (Accessory①)
FRONT L
White
White/Black
To front left speaker
FRONT R
Gray
Gray/Black
To front right speaker
REAR L
Green
Green/Black
To rear left speaker
REAR R
Purple
Purple/Black
To rear right speaker
If no connections are made, do not let the wire come out from the tab.
Power control wire (Blue/White)
P.CONT
When using the optional power amplifier, connect to its power control terminal.
Motor antenna control wire (Blue)
ANT. CONT
Depending on what antenna you are using, connect either to the control terminal of the motor antenna, or to the power terminal for the booster amplifier of the film-type antenna.
TEL mute wire (Brown)
MUTE
Connect to the terminal that is grounded when either the telephone rings or during conversation.
To connect the Kenwood navigation system, consult your navigation manual.
Dimmer control wire (Orange / White)
ILLUMI
To car light control switch
External amplifier control wire (Pink/Black)
EXT. CONT
To "EXT.AMP.CONT." terminal of the amplifier having the external amp control function.
Car fuse box
Ignition key switch
Ignition wire (Red)
ACC
Battery wire (Yellow)
Car fuse box (Main fuse)
Ground wire (Black) ⊖ (To car chassis)
Battery

non-Japanese cars

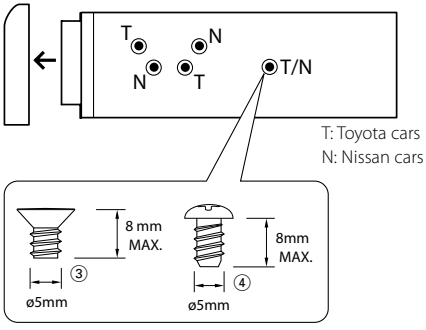

Metal mounting strap
(commercially available)
Firewall or metal support
Bend the tabs of the mounting sleeve with a screwdriver or similar utensil and attach it in place.
Self-tapping screw
(commercially available)
Screw (M4X8)
(commercially available)

- Make sure that the unit is installed securely in place. If the unit is unstable, it may malfunction (for example, the sound may skip).

Japanese cars

1 Refer to the section <Removing the hard rubber frame> and then remove the hard rubber frame.

2 Align the holes in the unit (two locations on each side) with the vehicle mounting bracket and secure the unit with the accessory screws.

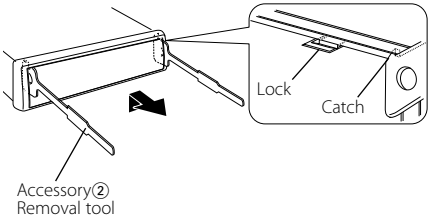


Accessory③...for Nissan car
Accessory④ ...for Toyota car

- During installation, do not use any screws except for those provided. The use of different screws might result in damage to the main unit.
- Damage may occur if a screwdriver or similar tool is used with excessive force during the installations.

Removing the hard rubber frame

1 Engage the catch pins on the removal tool and remove the two locks on the upper level. Upper the frame and pull it forward as shown in the figure.



2 When the upper level is removed, remove the lower two locations.

- The frame can be removed from the bottom side in the same manner.

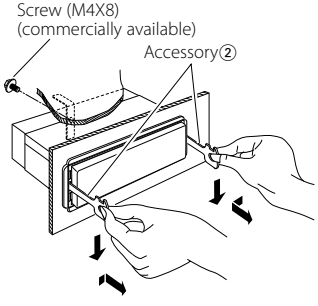
Removing the Unit

1 Refer to the section <Removing the hard rubber frame> and then remove the hard rubber frame.

2 Remove the screw (M4 × 8) on the back panel.

3 Insert the two removal tools deeply into the slots on each side, as shown.

4 Lower the removal tool toward the bottom, and pull out the unit halfway while pressing towards the inside.



- Be careful to avoid injury from the catch pins on the removal tool.

5 Pull the unit all the way out with your hands, being careful not to drop it.

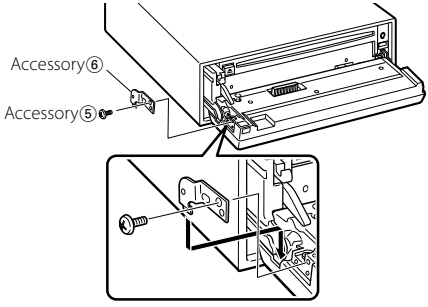
Screwing the Faceplate on the Unit

If you want to fasten the faceplate to the main unit so that it does not fall off.

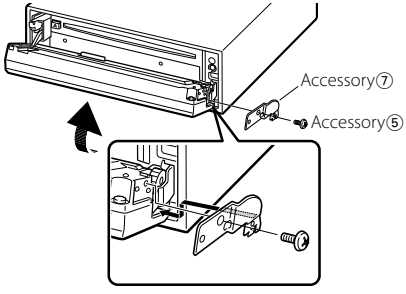
1 Refer to the section <Removing the hard rubber frame> and then remove the hard rubber frame.

2 Drop open the faceplate by pressing the Release button.

3 Tighten the screw (ø2 × 5 mm) (Accessory ⑤) and bracket (Accessory⑥) in the hole shown on the diagram.



4 Tighten the screw (ø2 × 5 mm) (Accessory ⑤) and bracket (Accessory⑦) in the hole shown on the diagram.



- Never insert the screws in any other screw hole than the one specified. If you screw them in another hole, it will contact and may cause damage to the mechanical parts inside the unit.

Some functions of this unit may be disabled by some settings made on this unit.

! Cannot switch to Aux source.
▶ • AUX is not turned on. ☞ <Built-in Auxiliary input Setting> (page 29)
• AUX cannot be used when the KCA-iP200 is connected.

! • Cannot set up the subwoofer.
• Cannot set up subwoofer phase.
• No output from the subwoofer.
• Cannot set up the low pass filter.
▶ • <Subwoofer Output> (page 9) is not set to On.
• The Dual zone function is enabled. ☞ <Audio Setup> (page 8)

! • Cannot set up the high pass filter.
• Cannot set up the Fader.
▶ The Dual zone function is enabled. ☞ <Audio Setup> (page 8)

! Cannot set up the subwoofer phase.
▶ Low pass filter is set to Through. ☞ <Audio Setup> (page 8)

! • Cannot select the output destination of the subsource in the Dual zone.
• Cannot adjust the volume of the rear speakers.
▶ The Dual zone function is disabled. ☞ <Audio Setup> (page 8)

! No Audio control effect on AUX.
▶ The Dual zone function is enabled. ☞ <Audio Setup> (page 8)

! Cannot play audio files.
▶ <CD Read Setting> (page 29) is set to "2".

! • Cannot File select.
• Cannot direct music serch.
▶ The Random play function is enabled.

What might seem to be a malfunction in your unit may just be the result of slight misoperation or miswiring. Before calling service, first check the following table for possible problems.

General

? The Touch Sensor Tone doesn't sound.
✔ The preout jack is being used.
☞ The Touch Sensor Tone can't be output from the preout jack.

Tuner source

? Radio reception is poor.
✔ The car antenna is not extended.
☞ Pull the antenna out all the way.
✔ The antenna control wire is not connected.
☞ Connect the wire correctly, referring to the section on <Connecting Wires to Terminals> (page 34).

Disc source

? The specified disc does not play, but another one plays instead.
✔ The specified CD is quite dirty.
☞ Clean the CD.
✔ The disc is loaded in a different slot from that specified.
☞ Eject the disc magazine and check the number for the specified disc.
✔ The disc is severely scratched.
☞ Try another disc instead.

Audio file source

? The sound skips when an Audio file is being played.
✔ The media is scratched or dirty.
☞ Clean the media, referring to the CD cleaning of the section on <Handling CDs> (page 5).
✔ The audio file is broken or not supported.
☞ Damaged and unsupported files are skipped.
✔ The recording condition is bad.
☞ Record the media again or use another media.

USB device source

? The USB device is not detected.
✔ The USB connector is disconnected.
☞ Connect the connector of the USB device properly.

? The USB device does not play its audio files.
✔ The USB connector is disconnected.
☞ Connect the connector of the USB device properly.

The messages shown below display your systems condition.

Eject:
- No disc magazine has been loaded in the changer. The disc magazine is not completely loaded.
- No CD in the unit.

No Disc: No disc has been loaded in the disc magazine.

TOC Error:
- No disc has been loaded in the disc magazine.
- The CD is quite dirty. The CD is upside-down. The CD is scratched a lot.

Read Error:
- The number of files or folders which are stored in the connected USB device is above the limitation.
- The file system of the connected USB device is broken.

➪ Copy the files and folders for the USB device again referring to http://www.kenwood.com/usb/. If the error message is still displayed, initialize the USB device or use other USB devices.

Error 05: The disc is unreadable.

Blank Disc: Nothing has been recorded on the MD.

No Track: No tracks are recorded on the MD, although it has a title.

Error 15: Media was played that doesn't have data recorded that the unit can play.

No Panel: The faceplate of the slave unit being connected to this unit has been removed.

Error 77: The unit is malfunctioning for some reason.
➪ Press the reset button on the unit. If the "Error 77" code does not disappear, consult your nearest service center.

Mecha Error: Something is wrong with the disc magazine. Or the unit is malfunctioning for some reason.
➪ Check the disc magazine. And then press the reset button on the unit. If the "Mecha Error" code does not disappear, consult your nearest service center.

Hold Error: The protective circuit in the unit activates when the temperature inside the automatic disc changer exceeds 60°C (140°F), stopping all operation.
➪ Cool down the unit by opening the windows or turning on the air conditioner. As the temperature falls below 60°C (140°F), the disc will start playing again.

No Name: Attempted to display DNPS during the CD play having no disc names preset.

Load: Discs are being exchanged in the Disc changer.

Reading: The unit is reading the data on the disc.

IN (Blink): The CD player section is not operating properly.
➪ Reinsert the CD. If the CD cannot be ejected or the display continues to flash even when the CD has been properly reinserted, please switch off the power and consult your nearest service center.

Protect (Blink): The speaker wire has a short-circuit or touches the chassis of the vehicle, and then the protection function is activated.
➪ Wire or insulate the speaker cable properly and press the reset button. If the "Protect" code does not disappear, consult your nearest service center.

Unsupported File:
An Audio file is played with a format that this unit can't support.
➪ ----

Copy Protection:
A copy-protected file is played.
➪ ----

No Device: The USB device is selected as a source although no USB device is connected.
➪ Change the source to any source other than USB. Connect an USB device, and change the source to USB again.

N/A Device: An unsupported USB device is connected.
➪ For the supported USB devices, refer to <http://www.kenwood.com/usb/>.

No Music Data/ Error 15:
- The connected USB device contains no playable audio file.
- Media was played that doesn't have data recorded that the unit can play.

USB Error: The connected USB device is rated a current capacity higher than the allowable limit.
➪ Check the USB device with reference to <http://www.kenwood.com/usb/>.
Some trouble may have occurred to the connected USB device.
➪ Change the source to any source other than USB. Remove the USB device.

iPod Error: Connection to the iPod has failed.
➪ Remove the USB device and then reconnect it.
➪ Confirm that the software for the iPod is the latest version.

USB REMOVE: The Remove mode has been selected for the USB device. You can remove the USB device safely.

Specifications

Specifications subject to change without notice.

FM tuner section

Frequency range (50 kHz space)
: 87.5 MHz – 108.0 MHz
Frequency range (200 kHz space)
: 87.9 MHz – 107.9 MHz
Usable sensitivity (S/N = 30dB)
: 9.3dBf (0.8 µV/75 Ω)
Quieting Sensitivity (S/N = 50dB)
: 15.2dBf (1.6 µV/75 Ω)
Frequency response (±3 dB)
: 30 Hz – 15 kHz
Signal to Noise ratio (MONO)
: 70 dB
Selectivity (±400 kHz)
: ≥ 80 dB
Stereo separation (1 kHz)
: 40 dB

AM tuner section

Frequency range (9 kHz space)
: 531 kHz – 1611 kHz
Frequency range (10 kHz space)
: 530 kHz – 1700 kHz
Usable sensitivity (S/N = 20dB)
: 28 dBµ (25 µV)

CD player section

Laser diode
: GaAlAs
Digital filter (D/A)
: 8 Times Over Sampling
D/A Converter
: 1 Bit
Spindle speed
: 1000 – 400 rpm (CLV 2times)
Wow & Flutter
: Below Measurable Limit
Frequency response (±1 dB)
: 10 Hz – 20 kHz
Total harmonic distortion (1 kHz)
: 0.008 % (KDC-X7006U)
: 0.010 % (KDC-X7006)
Signal to Noise ratio (1 kHz)
: 110 dB (KDC-X7006U)
: 105 dB (KDC-X7006)
Dynamic range
: 93 dB
MP3 decode
: Compliant with MPEG-1/2 Audio Layer-3
WMA decode
: Compliant with Windows Media Audio
AAC decode
: AAC-LC ".m4a" files
WAV signal (KDC-X7006U)
: Linear-PCM

USB Interface (KDC-X7006U)

USB Standard
: USB1.1/ 2.0
Maximum Supply current
: 500 mA
File System
: FAT16/ 32
MP3 decode
: Compliant with MPEG-1/2 Audio Layer-3
WMA decode
: Compliant with Windows Media Audio
AAC decode
: AAC-LC ".m4a" files
WAV signal
: Linear-PCM

Audio section

Maximum output power
: 50 W x 4
Full Bandwidth Power (at less than 1% THD)
: 22 W x 4
Speaker Impedance
: 4 – 8 Ω
Tone action
Bass : 100 Hz ±8 dB
Middle : 1 kHz ±8 dB
Treble : 10 kHz ±8 dB
Preout level / Load (during disc play)
: 4000 mV/10 kΩ
Preout impedance
: ≤ 80 Ω

Auxiliary input

Frequency response (±1 dB)
: 20 Hz – 20 kHz
Input Maximum Voltage
: 1200 mV
Input Impedance
: 100 kΩ

General

Operating voltage (11 – 16V allowable)
: 14.4 V
Current consumption
: 10 A
Installation Size (W x H x D)
: 182 x 53 x 155 mm
Weight
: 1.4 kg